

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claims 1-76 (Canceled)

77. (New) A cable having a central axis, the cable comprising:

a plurality of twisted pairs of conductors; and

a jacket defining a central passage in which the twisted pairs of conductors are located, the jacket including legs that project inwardly toward the central axis of the cable, the jacket defining channels located between the legs, the channels having open sides that face inwardly toward the central axis, the channels having lengths that run along a length of the jacket, and the number of channels being greater than the number of twisted pairs of conductors.

78. (New) The cable of claim 77, wherein the plurality of twisted pairs of conductors includes 4 twisted pairs of conductors.

79. (New) The cable of claim 77, wherein each of the conductors is covered by a separate insulation layer.

80. (New) The cable of claim 77, wherein the twisted pairs of conductors generally do not occupy the channels.

81. (New) The cable of claim 77, wherein the channels each have a cross-sectional area of at least .00002 square inches.

82. (New) The cable of claim 77, wherein the jacket has a thickness less than about .030 inches.

83. (New) The cable of claim 77, wherein the jacket comprises a plastic material.
84. (New) The cable of claim 83, wherein the plastic material includes a fluoropolymer.
85. (New) The cable of claim 83, wherein the plastic material includes polyvinyl chloride.
86. (New) A cable comprising:

a plurality of twisted pairs of conductors; and

a jacket within which the twisted pairs of conductors are located, the jacket defining interior air channels each having an open side that faces inwardly toward a central axis of the jacket, the channels having lengths that run along a length of the jacket, and the number of channels being greater than the number of twisted pairs of conductors.

87. (New) The cable of claim 86, wherein the twisted pairs of conductors include 4 twisted pairs of conductors.

88. (New) The cable of claim 86, wherein each of the conductors is covered by a separate insulation layer.

89. (New) A data transmission cable comprising:

a plurality of twisted pairs of data transmission conductors; and

a jacket within which the plurality of twisted pairs of data transmission conductors is located, the jacket defining interior channels that are circumferentially spaced relative to one another about the plurality of twisted pairs of data transmission conductors, the channels each having an open side that faces inwardly toward a central axis of the jacket and the twisted pairs of data transmission conductors generally not occupying the channels.

90. (New) The cable of claim 89, wherein the plurality of twisted pairs of data transmission conductors includes 4 twisted pairs of data transmission conductors.

91. (New) The cable of claim 89, wherein each of the data transmission conductors is covered by a separate insulation layer.

92. (New) The cable of claim 89, wherein number of channels is greater than the number of twisted pairs of data transmission conductors.

93. (New) The cable of claim 89, wherein the channels are generally rectangular in cross-sectional shape.

94. (New) The cable of claim 89, wherein each of the channels has a cross-sectional area less than about 30 percent of a total cross-sectional area of the jacket.

95. (New) The cable of claim 89, wherein the cable includes an inner portion surrounding the plurality of data transmission conductors and an outer portion surrounding the inner portion, the inner portion including the channels such that a composite density of the inner portion is less than a composite density of the outer portion.

96. (New) The cable of claim 95, wherein a signal speed at the inner portion is at least 2% greater than a signal speed at the outer portion.

97. (New) The cable of claim 95, wherein a signal speed at the inner portion is at least 5% greater than a signal speed at the outer portion.

98. (New) The cable of claim 95, wherein a signal speed at the inner portion is at least 10% greater than a signal speed at the outer portion.

99. (New) The cable of claim 90, wherein the plurality of twisted pairs of data transmission conductors are twisted around each other to define a core having diameter less than about .25 inches.

100. (New) A data transmission cable comprising:

a plurality of twisted pairs of data transmission conductors; and

a jacket defining an interior passage that extends along a length of the jacket, the interior passage including a central region and a peripheral region, the plurality of twisted pairs of data transmission conductors being positioned within the central region, the peripheral region of the interior passage including a plurality of air channels that are circumferentially spaced relative to one another about the central region of the interior passage, the channels being in fluid communication with the central region of the interior passage, and the number of channels being greater than the number of twisted pairs of conductors.

101. (New) The cable of claim 100, wherein the plurality of twisted pairs of data transmission conductors includes 4 twisted pairs of data transmission conductors.

102. (New) The cable of claim 100, wherein each of the data transmission conductors is covered by a separate insulation layer.

103. (New) The cable of claim 100, wherein the plurality of twisted pairs of data transmission conductors are twisted around each other to define a core having diameter less than about .25 inches.

104. (New) A data transmission cable comprising:

four twisted pairs of data transmission conductors, each of the data transmission conductors being covered by a separate insulation layer, the plurality of twisted pairs of data transmission conductors being twisted around each other to define a core; and

a jacket defining an interior passage that extends along a length of the jacket, the interior passage having a central region and a peripheral region, the core being located within the central region of the interior passage, the peripheral region of the interior passage including a plurality of air channels that are circumferentially spaced relative to one another about the core, the air channels being in fluid communication with the central region, the jacket including an inner portion at which the channels are defined and an outer portion that surrounds the inner portion, and the number of channels being greater than the number of twisted pairs of insulated data transmission conductors.

105. (New) The cable of claim 104, wherein each of the channels has a cross-sectional area less than about 30 percent of a total cross-sectional area of the jacket.

106. (New) The cable of claim 104, wherein a signal speed at the inner portion is at least 2% greater than a signal speed at the outer portion.

107. (New) The cable of claim 104, wherein a signal speed at the inner portion is at least 5% greater than a signal speed at the outer portion.

108. (New) The cable of claim 104, wherein a signal speed at the inner portion is at least 10% greater than a signal speed at the outer portion.

109. (New) The cable of claim 104, wherein the channels each have a cross-sectional area of at least .00002 square inches.

110. (New) The cable of claim 104, wherein the jacket has a thickness less than about .030 inches.

111. (New) The cable of claim 104, wherein the jacket comprises a plastic material.

112. (New) The cable of claim 111, wherein the plastic material includes a fluoropolymer.

113. (New) The cable of claim 111, wherein the plastic material includes polyvinyl chloride.

114. (New) A data transmission cable comprising:

a plurality of twisted pairs of data transmission conductors; and

a jacket defining an interior passage, the interior passage including a central region and a peripheral region, the plurality of twisted pairs of data transmission conductors being positioned within the central region, the jacket including an inner portion and an outer portion, the inner portion of the jacket including a plurality of projections that project inwardly from the outer portion of the jacket, the projections having inner free ends that define an outer boundary of the central region of the interior passage, the jacket defining air channels between the projections, the air channels each being visible when the data transmission cable is viewed in transverse cross-section, the air channels forming the peripheral region of the interior passage, and the number of air channels being greater than the number of twisted pairs of conductors.